Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Thursday 21 Jan 2021 until 23:59 on Friday 22 Jan 2021

Forecast Issued on Thursday 21 Jan 2021 at 02:47

Confidence: High confidence for continued wintery weather on Thursday and becoming more settled after this.

Headline for Thursday 21 Jan 2021: Outbreaks of snow becoming lighter, strong westerly winds may cause some drifting and a severe wind chill.

Mountain weather hazards on Thursday 21 Jan 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy snow showers (night)	Heavy snow showers	Sunny intervals	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
60%	40%	20%	30%	30%	20%

Forecast for Thursday 21 Jan 2021

Weather: Heavy sleet and snow will become showery by dawn with a few drier periods especially in the west. The rest of the day will be quite cloudy with a few outbreaks of sleet and snow. There may be some drifting of snow in the strong westerly winds and access roads could easily become blocked. Mainly dry by early evening with a few clearer spells.

Chance of cloud free mountain/hill tops above 800m: 10-20% there will be a lot of low cloud associated with snow and sleety outbreaks, cloud will break in the afternoon increasing the chance to 50-60% and perhaps more chance in the west.

Visibility: Generally very poor visibility at first with extensive low cloud base 300m and upwards, this will lift during the morning to 600m. Visibility will improve in the afternoon as cloud lifts and there are less wintery outbreaks.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
(C) Crown Copyright 2021. All Rights Reserved

Mountain Weather Forecast

Forecast for Thursday 21 Jan 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	38/45 W	36/43 W	34/42 W	34/43 W	33/41 W	31/39 W	34/43 W
600	32/40 W	31/40 W	27/36 W	28/38 W	25/34 W	24/33 W	27/37 W
300	11/32 W	12/33 W	12/31 W	11/32 W	9/28 W	9/28 W	11/31 W
Valley	11/31 W	11/29 W	10/28 W	10/28 W	7/24 W	9/25 W	10/27 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-4/-14	-3/-13	-3/-12	-3/-12	-3/-12	-3/-13	-4/-13
600	-1/-10	-1/-10	-1/-9	-0/-8	-1/-8	-1/-9	-1/-9
300	1/-4	1/-4	2/-3	2/-2	2/-2	1/-3	1/-4
Valley	3/-1	2/-2	4/0	5/1	4/1	3/0	3/-0
Freezing Level*	400m	400m	500m	500m	400m	400m	400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gale force gusts on the summits in the morning with a severe wind chill likely. Access roads may see some accumulations at low level.

Forecast for Friday 22 Jan 2021

Weather: A mixture of sunshine and blustery wintery showers and feeling very cold.

Maximum wind: Westerly 15mph with gusts 25mph.

Chance of cloud free mountain/hill tops above 800m: 40-60% still some low cloud associated with showers.

Visibility: Although the main cloud bases will be above the summits there will be scattered cloud falling below the tops to a base around 600m at times. Visibility may become poor or very poor in any heavier wintery showers.

Temperature: **Valleys:** Aero rising to plus 4 Celsius.
At 800m: Minus 2 Celsius.
Freezing level: 600m

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
(C) Crown Copyright 2021. All Rights Reserved

Mountain Weather Forecast

Ground Conditions Supplement

Date: Wednesday 20 January 2021. Location: Helvellyn summit at 11:55. Full report: The remaining snow has continued to thaw over the past 24 hours. Large areas of the fells up to and including summit level are now free from snow. That said, above 800m a significant amount of snow remains in sheltered spots and hollows and on predominantly N and E facing slopes where the deepest drifts can easily swallow a 70cm ice axe, although such depth is the exception. The snowpack was mostly soft and very wet, although, especially above 850m, there were patches of hard snow. Also above 850m, there were isolated patches of ice on paths especially on flat or gently sloping ground where water or thawed snow had frozen solid overnight. The summit temperature at midday was zero degrees and the precipitation changed from rain to hail to sleet/snow in the space of 15 minutes! This snow was already starting to settle above 800m as the assessor left the hill. Thus above 850m fresh snow could now be settling above patches of ice and some hard snow creating treacherous conditions. The cornices that exist above N and E facing slopes have both weakened and shrunk over the past 24 hours. Although they are small, they are extremely unstable so please keep well clear of such edges and advise those with less experience to do likewise. With fresh snow on the fells and the potential for deep drifts, please be conservative with your plans for Thursday and know your limits. Temperature: plus 0.1 C, Maximum wind speed 10.9mph, Wind chill: minus 5.8 C, Average wind speed: 9.0 mph.

Issued at: 02:47 on Thu 21 Jan 2021

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
(C) Crown Copyright 2021. All Rights Reserved